

Sorachai Khamsan

Ph.D. (Pharmacy)



Academic Position

Assistant Professor

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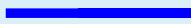
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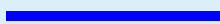
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Languages

English 

Thai 

Scholarship

- IPST Scholarship
- CHE Scholarship
- Professional development and teaching Scholarship of Naresuan University

Administration

Head of Chemistry Department 2014-2015

Assistant Dean for Quality Assurance and Special Affairs 2015-2019

Skill Highlights

- Lecturer
- Reviewer
- AUNQA Assessor
- University Lecturers aiming to equip the undergraduates with innovative strategies and ideas
- Traditional Thai Medicine Committee

Experience

Pharmacognosy and Natural Products

Synthesis of bioactive compounds

Green Chemistry in Organic Synthesis

Education

- 2001 B.Sc. (Chemistry) Naresuan University
Teaching Science and Technology Scholarship (IPST Scholarship)
- 2004 Graduate Diploma Program of Teaching Naresuan University
Teaching Science and Technology Scholarship (IPST Scholarship)
- 2005 M.Sc. (Chemistry) Naresuan University
The Commission on Higher Education (CHE Scholarship)
Professional development and teaching Scholarship of Naresuan University
- 2011 Ph.D. (Pharmacy) Chiang Mai University
The Commission on Higher Education (CHE Scholarship sandwich program at The University of Queensland, Brisbane, Queensland, Australia)

Certifications

Train the trainer

AUN-QA Assessor

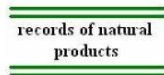
AUN-QA Overview Version 4.0

Community Based Education

Chemical Compositions and Anticancer Activity of Essential Oil fr *Houttuynia cordata* Thunb.



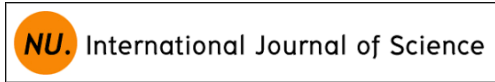
Rec. Nat. Prod. 5:4 (2011) 324-327



Sorachai Khamsan^{1*}, Noppawan Intecha¹, Preeyaporn Inpeng², Warany Wongwan², Supawit Phintakul² and Chayanan Jitmanee^{2,3}

Antimalarial, Anticancer, Antimicrobial Activities and Chemical Constituents of Essential Oil from the Aerial Parts of *Cyperus kyllingia* Endl.

Sorachai Khamsan¹, Boonsom Liawruangrath^{1*}, Saisunee Liawruangrath², Aphiwat Teerawutkulrag², Stephen G. Pyne³ and Mary J. Garson⁴



NU. International Journal of Science 2020; 17(1) : 32-44

Catalytic Activity of Natural Silica for Green Synthesis of 3,4-Dihydropyrimidinone Derivatives and Antibacterial Activity

Sorachai Khamsan^{1*}, Chutikan Janya¹, Jirapun Chanawongsa¹, Natcha Injan¹, Wanrudee Keawmesri², Manat Jaimasith² and Chayanan Jitmanee^{3,4}

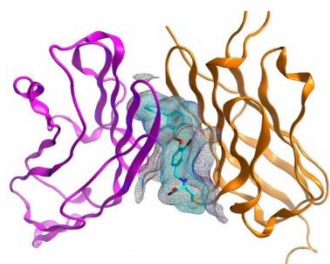
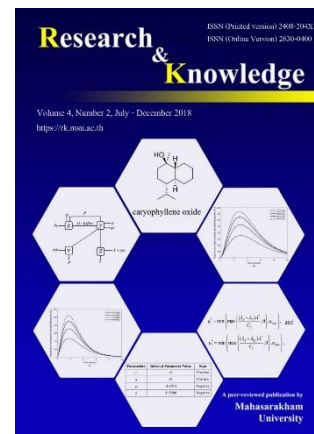
Vol. 4 No. 2 page 40-44
DOI:

RESEARCH & KNOWLEDGE

Research Article

Chemical constituents and cytotoxic effects of the essential oil from the root of *Cyperus kyllingia* Endl.

Noppawan Intecha¹, Natcha Injan¹, Wanrudee Keawmesri², Manat Jaimasith², Chayanan Jitmanee^{3,4} and Sorachai Khamsan^{1*}



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DOI: 10.2478/v10007-012-0014-1

Original research paper



The isolation of bioactive flavonoids from *Jacaranda obtusifolia* H. B. K. ssp. *rhombofolia* (G. F. W. Meijer) Gentry

SORACHAI KHAMSAN¹
SAISUNEE LIARUANGRATH²
APHIWAT TEERAWUTKULRAG²
STEPHEN G. PYNE³
MARY J. GARSON⁴
BOONSOM LIARUANGRATH^{1*}

The paper describes the bioassay-guided isolation, structure elucidation and anticancer evaluation of five flavonoids (–)-liquiritigenin (1), (–)-neoliquiritin (2), isoliquiritigenin (3), isoliquiritin (4) and formononetin (5) from the twigs of *Jacaranda obtusifolia* H. B. K. ssp. *rhombofolia*



Acta Pharmaceutica Scientia
53: 181-188 (2011)



A new isoflavone from *Jacaranda obtusifolia* H.B.K. ssp. *rhombofolia* (G.F.W. Meijer) gentry

Sorachai Khamsan¹, Saisunee Liawruangrath², Aphiwat Teerawutkulrag², Stephen G. Pyne³, Mary J. Garson⁴ and Boonsom Liawruangrath^{1*}

Publications

Articles	Year
<p>Sorachai Khamsan, Chutikan Janya, Jirapun Chanawongsa, Natcha Injan, Wannudee Kaewmesri, Manat Jaimasith and Chayanan Jitmanee. Catalytic activity of natural silica for green synthesis of 3,4-dihydropyrimidinone derivatives and antibacterial activity, NU. International Journal of Science. 2020. 17(1); 23-31.</p>	2020
<p>Sorachai Khamsan, Noppawan Intecha, Preeyaporn Inpeng, Waranyakorn Wongwan, Supawit Phintakul and Chayanan Jitmanee. Chemical Compositions and Anticancer Activity of Essential Oil from <i>Houttuynia cordata</i> Thunb. NU. International Journal of Science. 2020. 17(1), 32-44.</p>	2020
<p>Kaewmesri, W*, Jaimasith, M, Boontansen, N, and Khamsan, S. Fabrication of pigment from iron powder in the laboratory by co-precipitation method, Proceedings, the 11th Science Research Conference 2019, Srinakharinwirot University, 23 - 24 May 2019.</p>	2019
<p>Sorachai Khamsan, Natcha Injan, Apinun Chotthonglang, Natthamon Gedchaysagullit, Noppawan Intecha, Wannudee Kaewmesri, Manat Jaimasith, Chayanan Jitmanee. Antibacterial activity and synthesis of 3,4-dihydropyrimidinone and derivatives using silica-FeCl₃ as a catalyst, The 11th national science research conference smart science smart world, Faculty of Science, Srinakharinwirot University, 23-24 May 2019.</p>	2019
<p>Sorachai Khamsan, Chutikan Janya, Jirapun Chanawongsa, Natcha Injan, Wannudee Keawmesri, Manat Jaimasith and Chayanan Jitmanee. Catalytic activity of natural silica for green synthesis of 3,4-dihydropyrimidinone derivatives. The 11th national science research conference smart science smart world, Faculty of Science, Srinakharinwirot University, 23 - 24 May 2019.</p>	2019
<p>Kaewmesri, W.*, Saengsrijan, O., Jaimasith, M., Boontansen, N., and Khamsan, S. Synthesis and Characterization of Calcium Oxide from Enamel Venus Shell. Proceedings, the 10th Science Research Conference 2018, Mahasarakham University, 24-25 May 2018.</p>	2018
<p>Noppawan Intecha, Natcha Injan, Wannudee Keawmesri, Manat Jaimasith, Chayanan Jitmanee, and Sorachai Khamsan. Chemical Constituents and Cytotoxic Effects of the Essential Oil from the Root of <i>Cyperus kyllingia</i> Endl.", Research & Knowledge, Vol.4, No.2, 40-44.</p>	2018

Publications

- Jaimasith, M.*, Mokkarat, C., Kaewmesri, W., Boontansen, N., and **Khamsan, S.** **The Composites from Fire Clay and Black Paste in Disposable Alkali Battery**, Proceedings, the 9th Science Research Conference 2017, Burapha University, 24-25 May 2017. 2017
- Manat Jaimasith, Jutamart Chiangyen, Niran Boontunsen, **Sorachai Kamsan** and Wanrudee Kaewmesri. (2016). **Study of Parameters in Spin-Coating on Spinning Patterns of Coating Layer on Glass Surface**. Proceedings. the 8th Science Research Conference 2016. Science and Technology to Innovation. University of Phayao at Phayao. Thailand. 30th-31st May. 2016
- Wanrudee Kaewmesri, Manat Jaimasith, Jutamart Chiangyen, Issara La-un, Niran Boontunsen, and **Sorachai Kamsan**. (2016). **Fabrication and Characterization of Polymeric-Coated Glass by Conventional and Spin-Coating Methods**. Proceedings, the 8th Science Research Conference 2016. Science and Technology to Innovation. University of Phayao at Phayao. Thailand. 30th-31st May. 2016
- Sorachai Khamsan**, Boonsom Liawruangrath, Saisunee Liawruangrath, Aphiwat Teerawutkulrag, Stephen G. Pyne and Mary J. Garson, **The isolation of bioactive flavonoids from *Jacaranda obtusifolia* H. B. K. ssp. *rhombofolia* (G. F. W. Meijer) Gentry**. Acta Pharm. (2012), 62(2), 181-190. 2012
- Sorachai Khamsan**, Boonsom Liawruangrath, Saisunee Liawruangrath, Aphiwat Teerawutkulrag, Stephen G. Pyne and Mary J. Garson, **A new isoflavone from *Jacaranda obtusifolia* H.B.K. ssp. *rhombofolia* (G.F.W. Meijer) Gentry**. Acta Pharm. Sci. (2011), 53(2), 181-188. 2011
- Sorachai Khamsan**, Boonsom Liawruangrath, Saisunee Liawruangrath, Aphiwat Teerawutkulrag, Stephen G. Pyne and Mary J. Garson, **Antimalarial, Anticancer, Antimicrobial Activities and Chemical Constituents of Essential Oil from the Aerial Parts of *Cyperus kyllingia* Endl.** Rec. Nat. Prod. (2011), 5(4), 324-327. 2011
- Sorachai Khamsan**, Boonsom Liawruangrath, Saisunee Liawruangrath, Aphiwat Teerawutkulrag, Stephen G. Pyne and Mary J. Garson. **Antimicrobial Activities of Some Thai Medicinal Plants**. Pure and Applied Chemistry International Conference PACCON 2010, 21st-23rd January, 2010, Ubon Ratchathani, Thailand 2010